

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	310/273.cds. and @pd>="20080604"	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/02 14:06
L2	1	310/273.cds. and @pd>="20080604"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 14:06
L3	3	310/256.cds. and @pd>="20080604"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 14:06
L4	2	403/256.cds. and @pd>="20080604"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 14:06
L5	36	B25G3/00.ipc. and @pd>="20080604"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 14:07
L6	2838	310/233,235,236,237.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 14:20
L7	871	6 and commutator and shaft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 14:20
L8	483	7 and @ad<="20040228"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 14:21

L9	483	7 and @ad<="20040228"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 14:21
L10	901	310/233.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 15:28
L11	606	10 not 9	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 15:28
L13	2	"06080377"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 15:44
S1	2	"US 20060193683"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/03/19 15:37
S2	202	310/273.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/05 16:01
S3	72	310/273.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/05 16:01
S4	0	S3 and knurl	US-PGPUB; USPAT	OR	ON	2008/06/05 16:03
S5	0	S2 and knurl	US-PGPUB; USPAT	OR	ON	2008/06/05 16:03
S6	114	"310"/\$.ccls. and knurl	US-PGPUB; USPAT	OR	ON	2008/06/05 16:03
S7	2	"US 20060193683"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/06/05 16:04
S8	325	403/256.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/05 16:05
S9	4	S8 and knurl	US-PGPUB; USPAT	OR	ON	2008/06/05 16:06
S10	8	S8 and knurl\$7	US-PGPUB; USPAT	OR	ON	2008/06/05 16:06
S11	0	("2006/0193683").URPN.	USPAT	OR	ON	2008/06/05 16:08

S12	1	2004-642650.NRAN.	DERWENT	OR	ON	2008/06/05 16:12
S13	102	"310"/\$.ccls. and shaft and knurl	US-PGPUB; USPAT	OR	ON	2008/06/05 16:14
S14	9	"310"/\$.ccls. and shaft near knurl	US-PGPUB; USPAT	OR	ON	2008/06/05 16:15
S15	2	"US 20060193683"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/06/05 16:19
S16	0	("2001/0022480").URPN.	USPAT	OR	ON	2008/06/05 16:29
S17	6	("20020079778"   "4489249"   "4833769"   "5650883"   "5986366"   "6700287").PN. OR ("6992412").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/05 16:29
S18	9	("2831991"   "3831268"   "3917967"   "5113105"   "5144182"   "5459365").PN. OR ("5710473").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/05 16:31
S19	6	("4933580").PN. OR ("5491369").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/05 16:33
S20	6	("5022275"   "5442508"   "5491369"   "5585574"   "5646356"   "6145387").PN. OR ("6701793").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/05 16:34
S21	6	("4933580").PN. OR ("5491369").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/05 16:36
S22	0	S2 and knurl	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/05 16:41
S23	130	S2 not S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/05 16:42
S24	130	S2 not S3 not S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/05 16:42
S25	101	h02k\$.ipc. and knurl	US-PGPUB; USPAT	OR	ON	2008/06/05 17:04
S26	125	h02k\$.ipc. and knurl	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/06/05 17:04

S27	24	("1857175"   "3212170"   "4263711").PN. OR ("5727307").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/05 17:35
S28	0	shaft near knurl near vertex\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/06 15:43
S29	1	shaft same knurl near vertex\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/06 15:43
S30	3	shaft same knurl same vertex \$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/06 15:43
S31	3	((TSUGIO) near2 (YOKOO)). INV.	US-PGPUB; USPAT	OR	ON	2008/06/06 16:18
S32	30	((TSUGIO) near2 (YOKOO)). INV.	EPO; JPO; DERWENT	OR	ON	2008/06/06 16:18
S33	1	((YOSHIIHIRO) near2 (NANBA)). INV.	US-PGPUB; USPAT	OR	ON	2008/06/06 16:20
S34	1	((YOSHIIHIRO) near2 (NANBA)). INV.	EPO; JPO; DERWENT	OR	ON	2008/06/06 16:20
S35	203	310/273.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:18
S36	659	403/256.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:18
S37	0	403/256.ccls. and @ad<="2030228"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:20
S38	258	403/256.ccls. and @ad<="20030228"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:20

S39	1	S36 and knurl\$4 and commutator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:21
S40	0	S35 and knurl\$4 and commutator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:21
S41	180	*310*/\$.ccls. and knurl\$4 and commutator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:21
S42	9	*310*/\$.ccls. and knurl\$4 and commutator and triangle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:36
S43	93	*310*/\$.ccls. and knurl\$4 and commutator and (triangle v)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:36
S44	45	*310*/\$.ccls. and knurl\$4 and commutator same (triangle v)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:37
S45	26	*310*/\$.ccls. and knurl\$4 same (triangle v) and commutator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:37
S46	401	S36 not S38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 14:59
S47	0	knurl\$4.clm. near (triangle.clm. v.clm.) and commutator.clm. and shaft.clm. and vertexes.clm. and groove.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:10

S48	0	knurl\$4.clm. and (triangle.clm. v.clm.) and commutator.clm. and shaft.clm. and vertexes.clm. and groove.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:10
S49	0	knurl\$4.clm. and (triangle.clm. v.clm.) and commutator.clm. and vertexes.clm. and groove.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:11
S50	0	knurl\$4.clm. and (triangle.clm. v.clm.) and commutator.clm. and vertexes.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:11
S51	0	knurl\$4.clm. and (triangle.clm. v.clm.) and commutator.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:11
S52	0	knurl\$4.clm. and triangle.clm. and commutator.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:11
S53	9	*310"/\$.ccls. and knurl\$4 and commutator and triangle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:14
S54	0	knurl\$4.clm. near (triangle.clm. v.clm.) and commutator.clm. and shaft.clm. and (vertexes tip point).clm. and groove.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:17
S55	0	knurl\$4.clm. and triangle.clm. and (vertexes tip point).clm. and commutator.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:18
S56	0	knurl\$4.clm. and triangle.clm. and (vertex\$2 tip point).clm. and commutator.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:18

S57	1	"10546622"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:18
S58	87	b25g3/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:19
S59	0	h02k\$.ipc. and knurl\$4.clm. and triangle.clm. and (vertex \$2 tip point).clm. and commutator.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:23
S60	10	h02k\$.ipc. and knurl\$4 and triangle and (vertex\$2 tip point) and commutator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:23
S61	1	"6080377"	JPO; DERWENT	OR	ON	2009/04/20 09:35
S62	1	("6080377").PN.	JPO; DERWENT	OR	OFF	2009/04/20 09:35
S63	1	(06/080377).APP.	JPO; DERWENT	OR	OFF	2009/04/20 09:36
S64	1	"06080377"	EPO; JPO; DERWENT	OR	ON	2009/04/20 09:36
S65	467	310/233,235-237.ccls.	EPO; JPO; DERWENT	OR	ON	2009/04/20 09:47
S66	104	S65 and commutator and shaft	EPO; JPO; DERWENT	OR	ON	2009/04/20 09:47
S67	1	"06080377"	EPO; JPO; DERWENT	OR	ON	2009/04/20 09:48
S68	17	"2708246"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/20 11:32
S69	10	"2708246"	USPAT	OR	ON	2009/04/20 11:32
S70	3	"6245476"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 14:55

S71	2	"06245476"	JPO; DERWENT	OR	ON	2010/03/01 14:55
S72	1	1994-321088.NRAN.	DERWENT	OR	ON	2010/03/01 15:38
S73	7	"6909213"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/02 11:12
S74	15	("2628321"   "3068975"   "4585967"   "5854522"   "5867892"   "5872412"   "5907208"   "6515385").PN. OR ("6909213").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/02 11:22
S75	1	"20030136618"	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/02 12:03
S76	1	"10546622"	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/02 12:27

**EAST Search History (Interference)**

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**3/ 2/ 2010 4:09:25 PM****C:\Documents and Settings\ndesai\My Documents\EAST\Workspaces\ 10546622 (knurled shaft).wsp**